GE
Lighting Solutions

GEH-3932C

INSTRUCTIONS

Wallighter 175 and Wallighter 250 Cutoff Luminaires

READ THOROUGHLY BEFORE INSTALLING

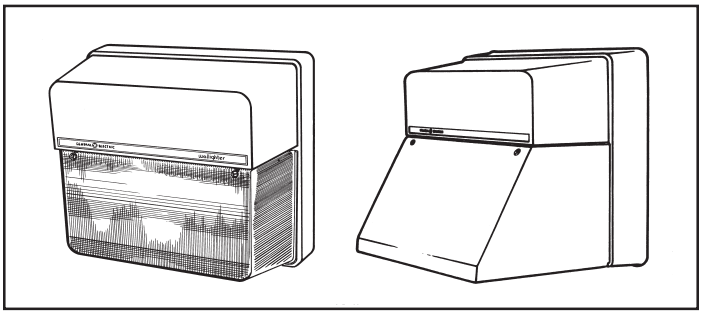
W1LR, W1SR, W1LG, W1SG, W25C (cutoff optics)

WARNING

Risk of electric shock
- Turn power off before servicing – see instructions

WARNING

Risk of fire
- Use supply wire specified on nameplate



A. MOUNTING

CAUTION

Unit will fall if not installed properly
- Follow installation instructions

Outlet Box Mounting: The luminaire can be mounted to a suitable surface-mounted outlet box (3'' or 4'' octagon, or 2''x4'' rectangular). The back plate may be attached to the outlet box with two 10-24 screws (not provided), approximately '' long. An alternate method of mounting the back plate over a surface-mounted outlet box is to position back plate over box and mount with two 3/8'' bolts (not provided) through the knock-out holes provided in the back plate (see figure 2). Wire the unit (see Wiring). Reattach the front housing/reflector over the back plate. For W25C having socket mounted in front housing, plug wire assembly must be re-connected as front housing is installed.

GENERAL

This luminaire is designed for outdoor lighting applications, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures. For optimum performance, it should be installed and maintained according to the following recommendations.

UNPACKING

This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

INSTALLATION

The refractor must be removed to access two bolts (on each side of the reflector) which secures front housing to back plate. Removal of the front housing allows access for mounting and wiring.

NOTE: For units marked W25C having socket mounted in front housing, plug wire assembly located in center top of back plate must be unplugged while removing front housing.

A gasket is provided with the unit to be used when mounting over an outlet box, and should be installed between rear of back plate and the mounting surface. If additional sealing is desired, caulk back of housing with generic non-hardening sealant (not provided) across the top and down both sides.

Figure 1

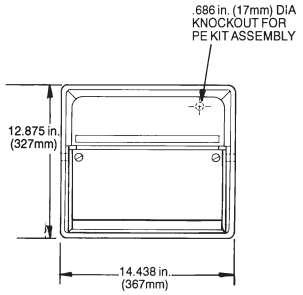
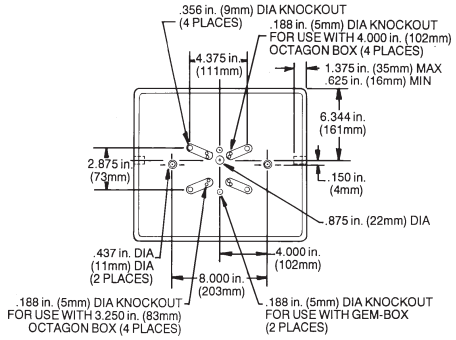


Figure 2



These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to GE Lighting Solutions.

Through-Feed Conduit:

Note: Some units may not allow this mounting or may require special high temperature cable. See labels on back plate for instruction.

Knock-out holes are provided to permit mounting of the back plate on vertical surfaces with two 3/8" bolts (not provided). The -inch conduit is then positioned in the cradles on each side of back plate and secured to back plate with clips and screws provided (see figure 2). The conduit may also be secured to the wall on either side of the fixture with conduit straps (not provided). Wire the unit (see Wiring). Knock-out the sections on each side of the front housing using pliers, twisting inwardly. Re-attach the front housing/reflector over the back plate. For W25C having socket mounted in front housing, plug wire assembly must be re-connected as front housing is installed.

Install lamp (see LAMP INSTALLATION) and re-install refractor or cut-off optical assembly.

NOTE: Do not overcompress the gasket on acrylic lens units as this may cause the lens to crack around the screw holes.

B. WIRING

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

Verify that supply voltage is correct by comparing it to nameplate.

Customer wiring enters either through the center hole in the back plate or through the conduit entrance knock-outs on the sides of the front housing. In either case, an easy access wiring area (see figure 2) is provided for electrical connections.

Route incoming supply conductors through clips provided and maintain half inch minimum spacing from ballast and reflector.

NOTE: Connect ground lead to ground (gnd) screw on the back plate.

Do not remove insulated connectors from wires not needed for required voltage connection.

IF SINGLE VOLTAGE:

All single voltage ballasts are pre-wired such that user need only connect the supply conductors.

IF MULTIVOLT: (120/208/240/277 volts)

Connect the ballast lead with the insulated terminal to the desired voltage terminal as indicated on the ballast terminal nameplate.

IF MULTIWATT:

Multiwatt ballasts are available in various combinations of wattage. See wiring instructions on wiring tag inside the luminaire.

To complete installation refer to MOUNTING.

LAMP INSTALLATION

CAUTION

Risk of burn

- Allow lamp/fixture to cool before handling

WARNING

Risk of burn

- Do not touch operating luminaire

Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Lamp Tightness-Mogul Base Lamp: The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds, which is best achieved by very firm tightening sufficient to fully depress and load the center contact of the socket.

Lamp Tightness-Medium Base Lamp: The lamp should be tightened to a light firmness sufficient to depress the center contact.

MAINTENANCE AND CLEANING

It will occasionally be necessary to clean the outside of the refractor to maintain light levels. Frequency of cleaning will depend on ambient dirt level and minimum light level which is acceptable to the user. The refractor should be washed in a solution of warm water and any mild, nonabrasive household detergent, rinsed with clean water and wiped dry. Should the optical assembly become dirty on the inside, wipe the reflector and clean the refractor in the above manner.

The light output of a luminaire is dependent on the age of the lamp. In applications where the light level is critical, it may be desirable to replace lamps before they burn out. The lamp manufacturer can provide data showing how the lamp light output decreases with use.

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